

Fig. 1

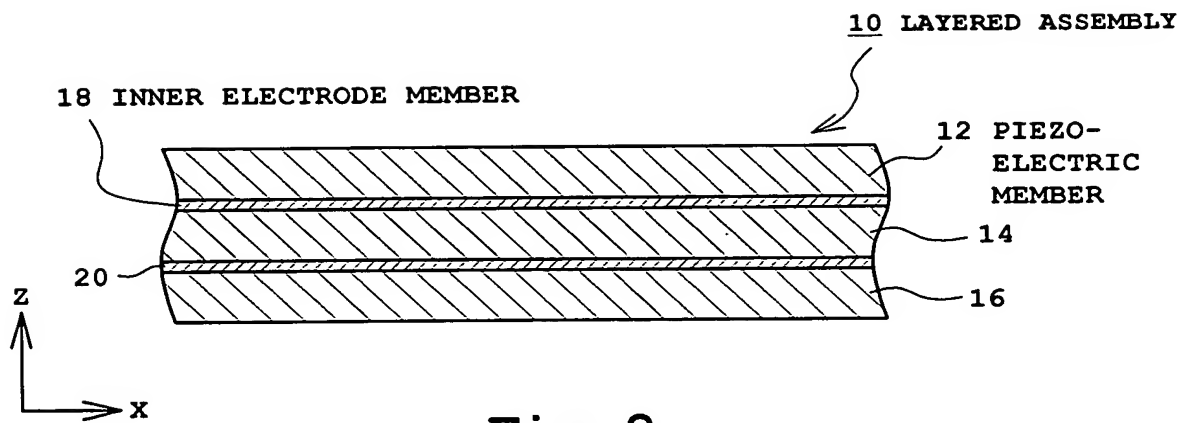


Fig. 2

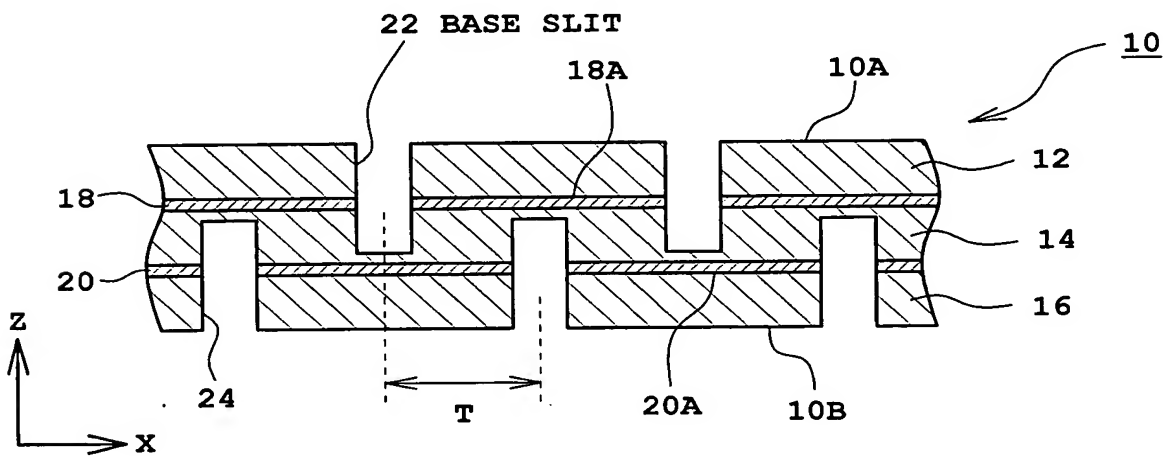


Fig. 3

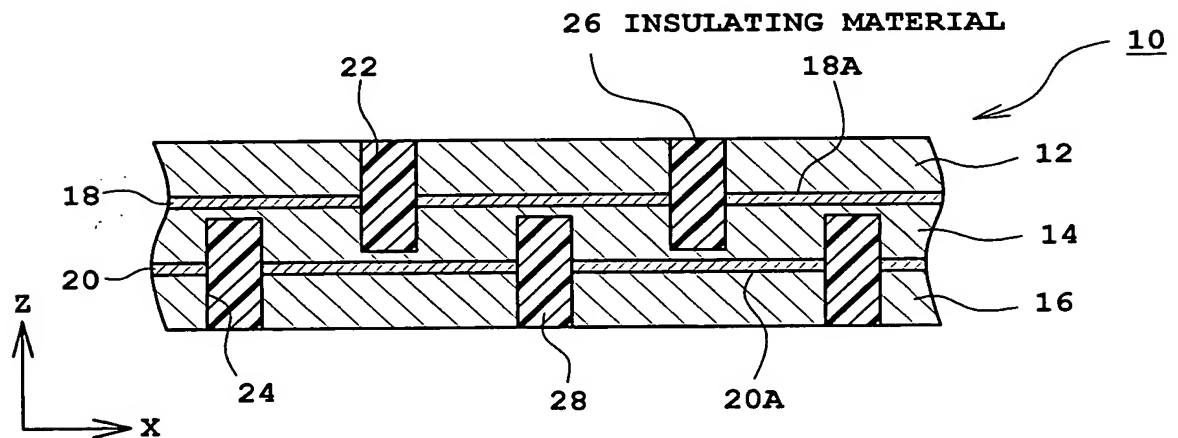


Fig. 4

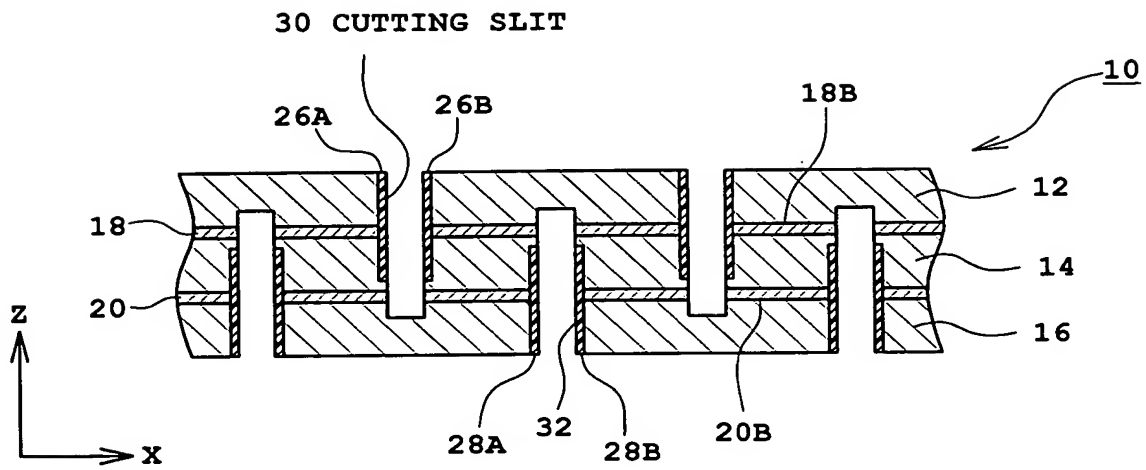


Fig. 5

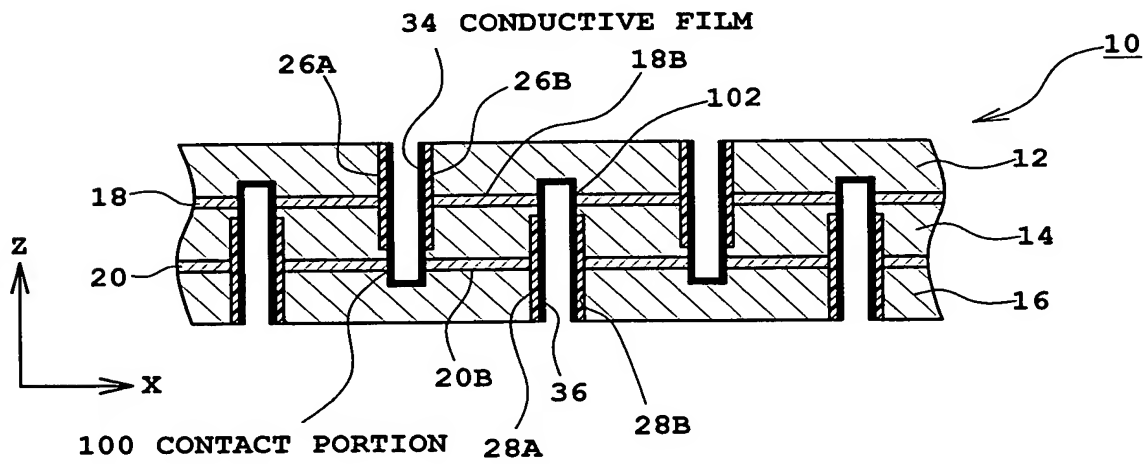


Fig. 6

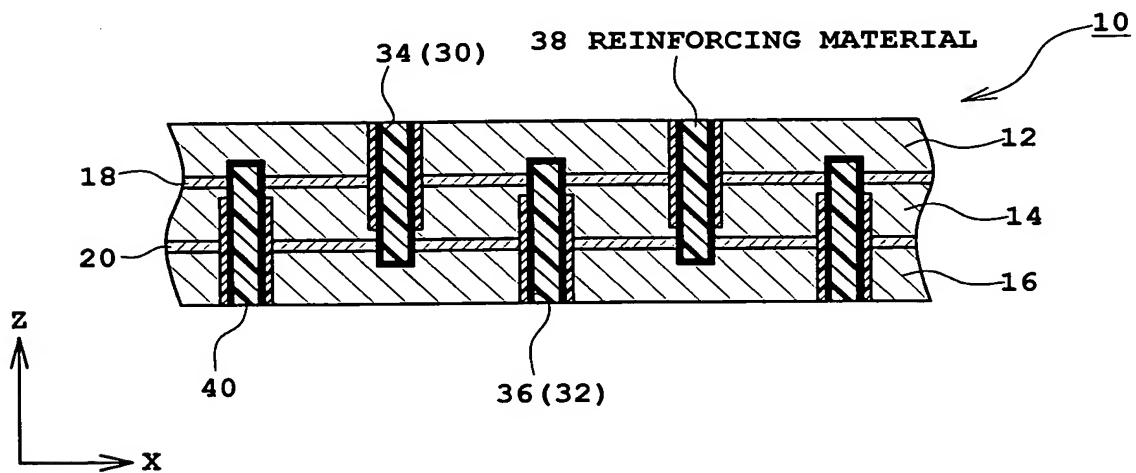


Fig. 7

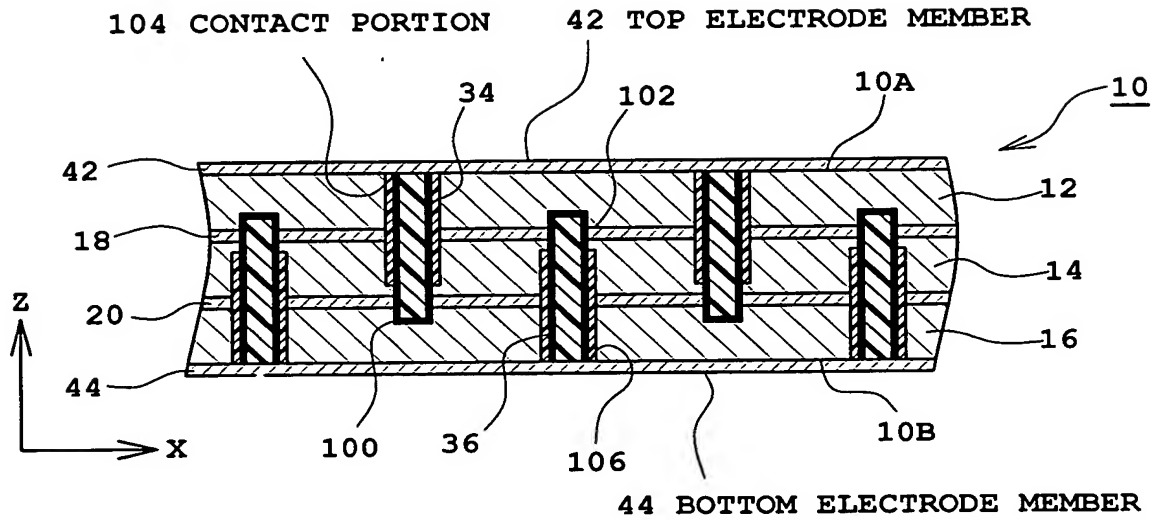
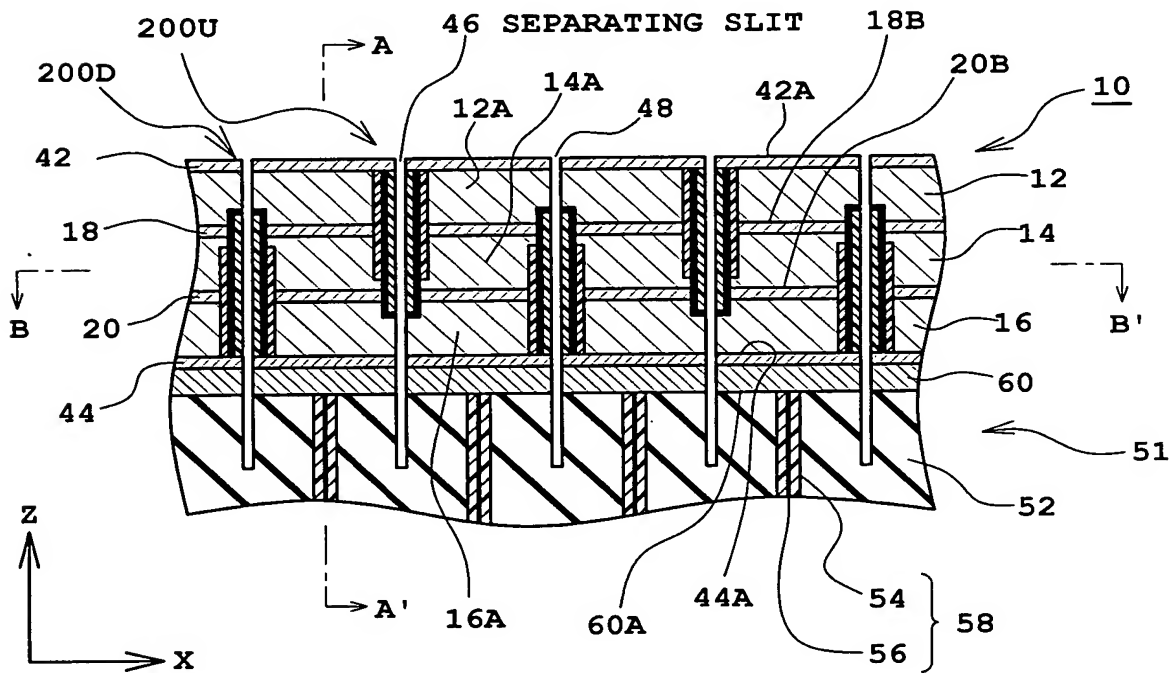


Fig. 8



12A, 14A, 16A PIEZOELECTRIC LAYER

44A BOTTOM ELECTRODE LAYER

42A TOP ELECTRODE LAYER

60A ELECTRODE PAD

18B, 20B INNER ELECTRODE LAYER

Fig. 9

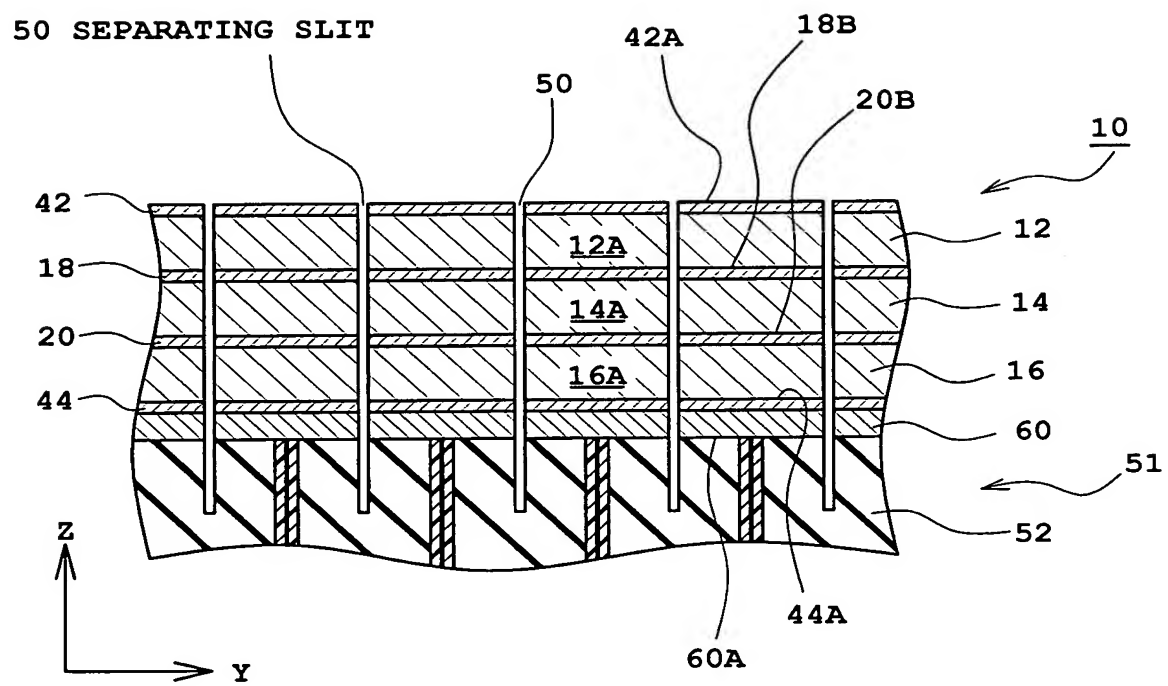


Fig.10



202: TRANSDUCER ELEMENT

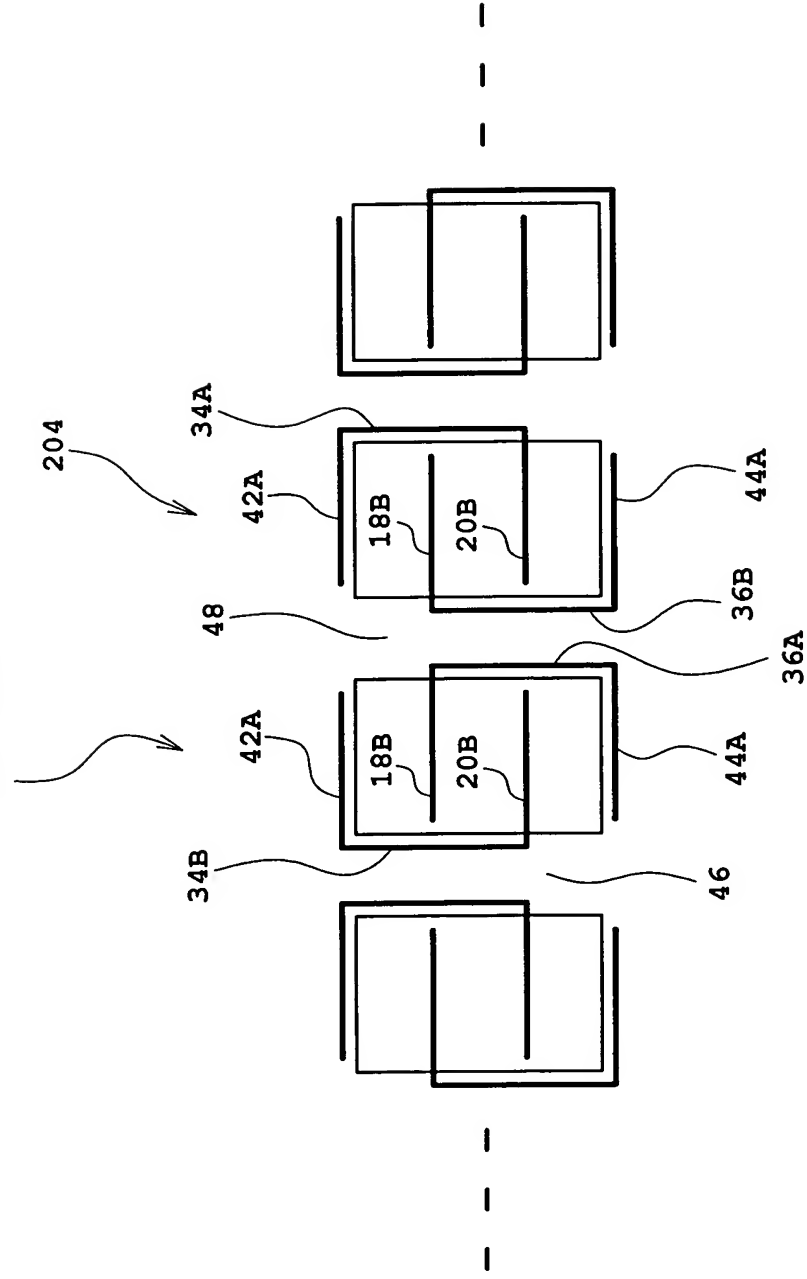


Fig. 12

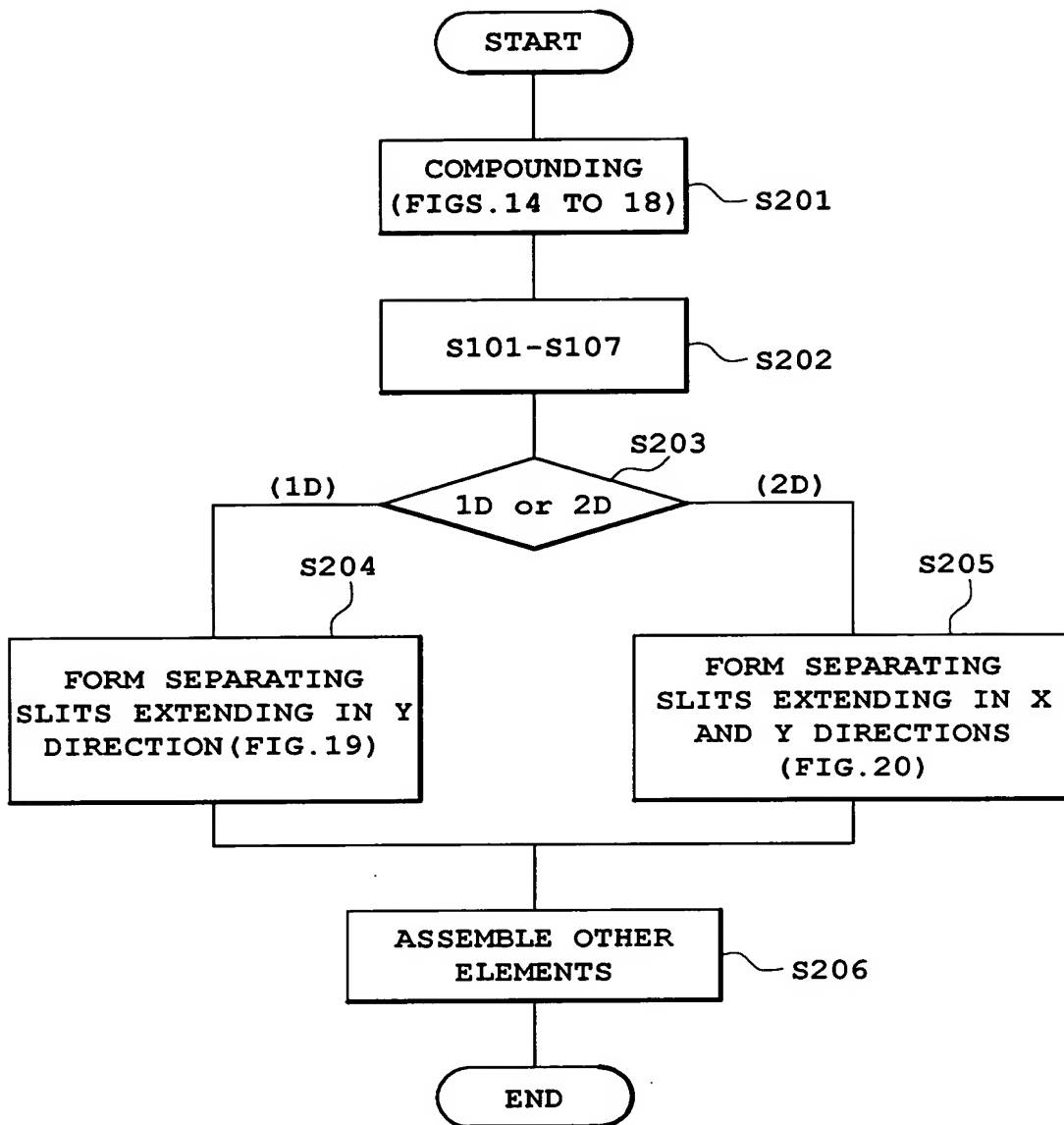


Fig.13

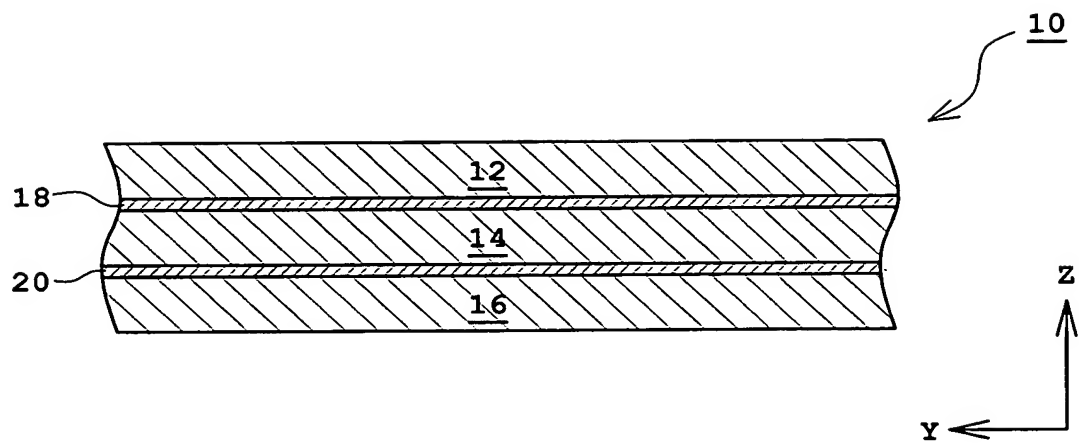


Fig. 14

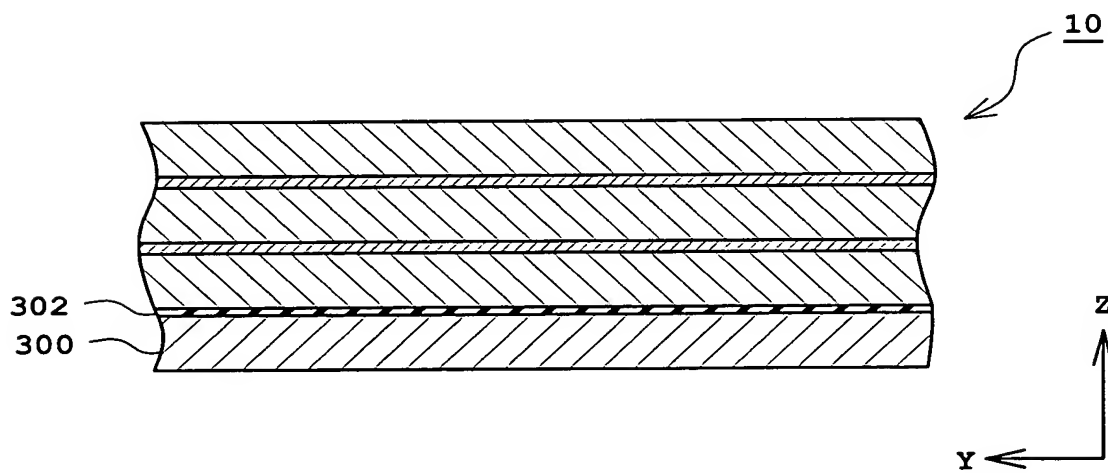


Fig. 15

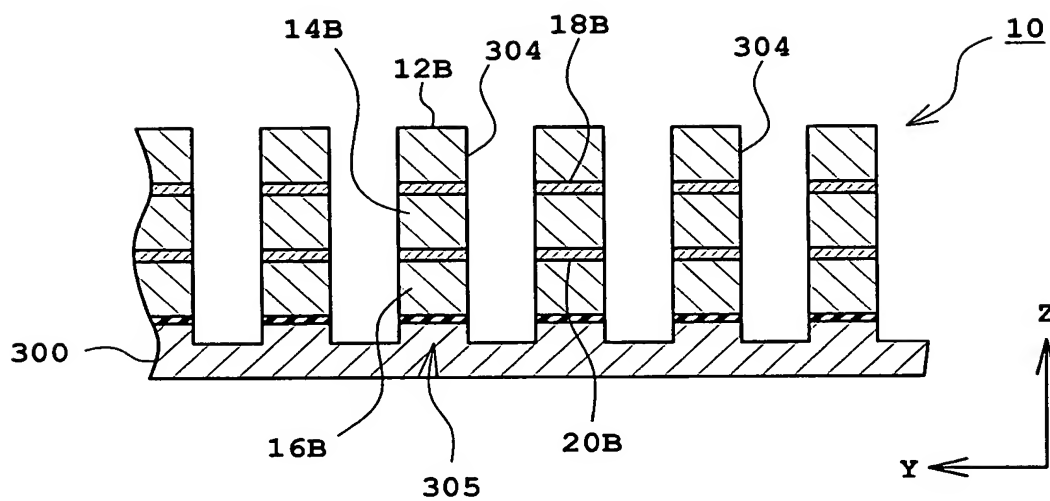


Fig. 16

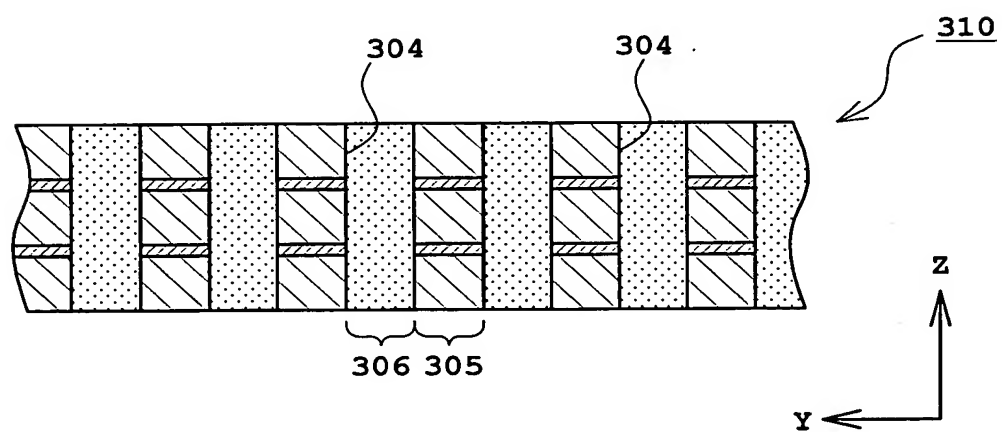


Fig. 17

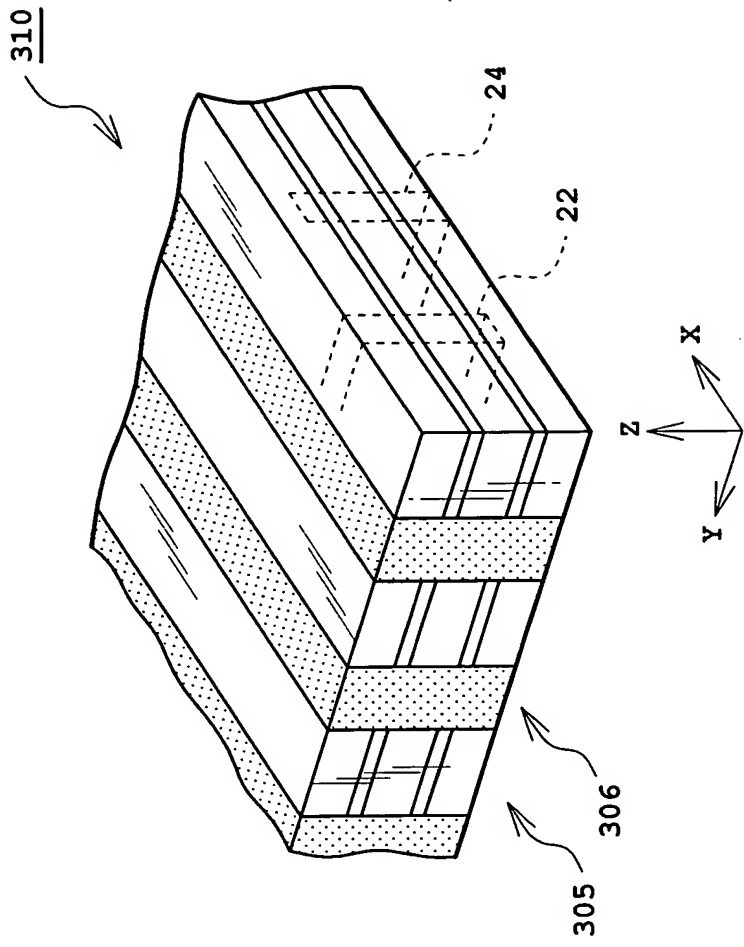


Fig.18

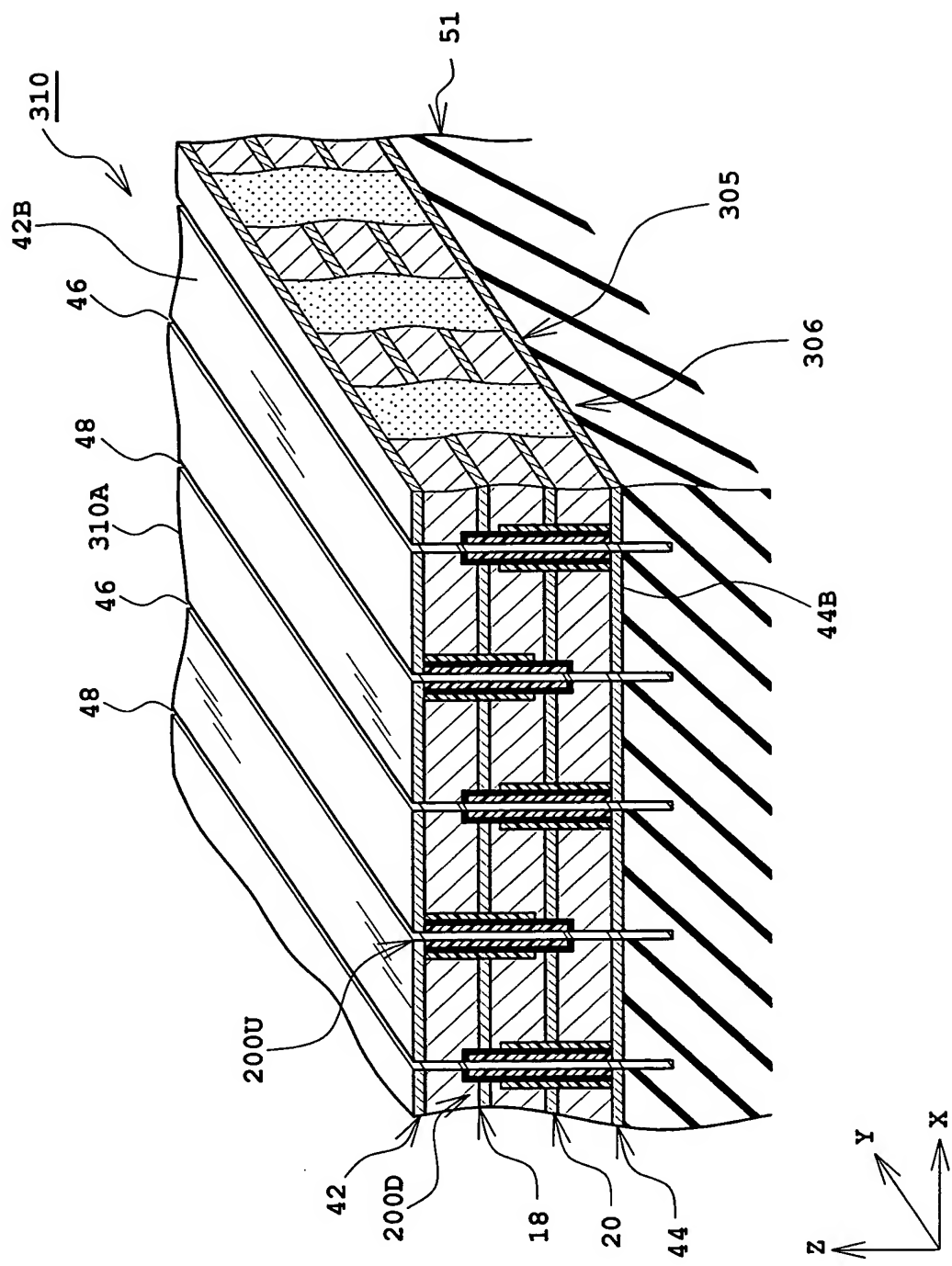


Fig. 19

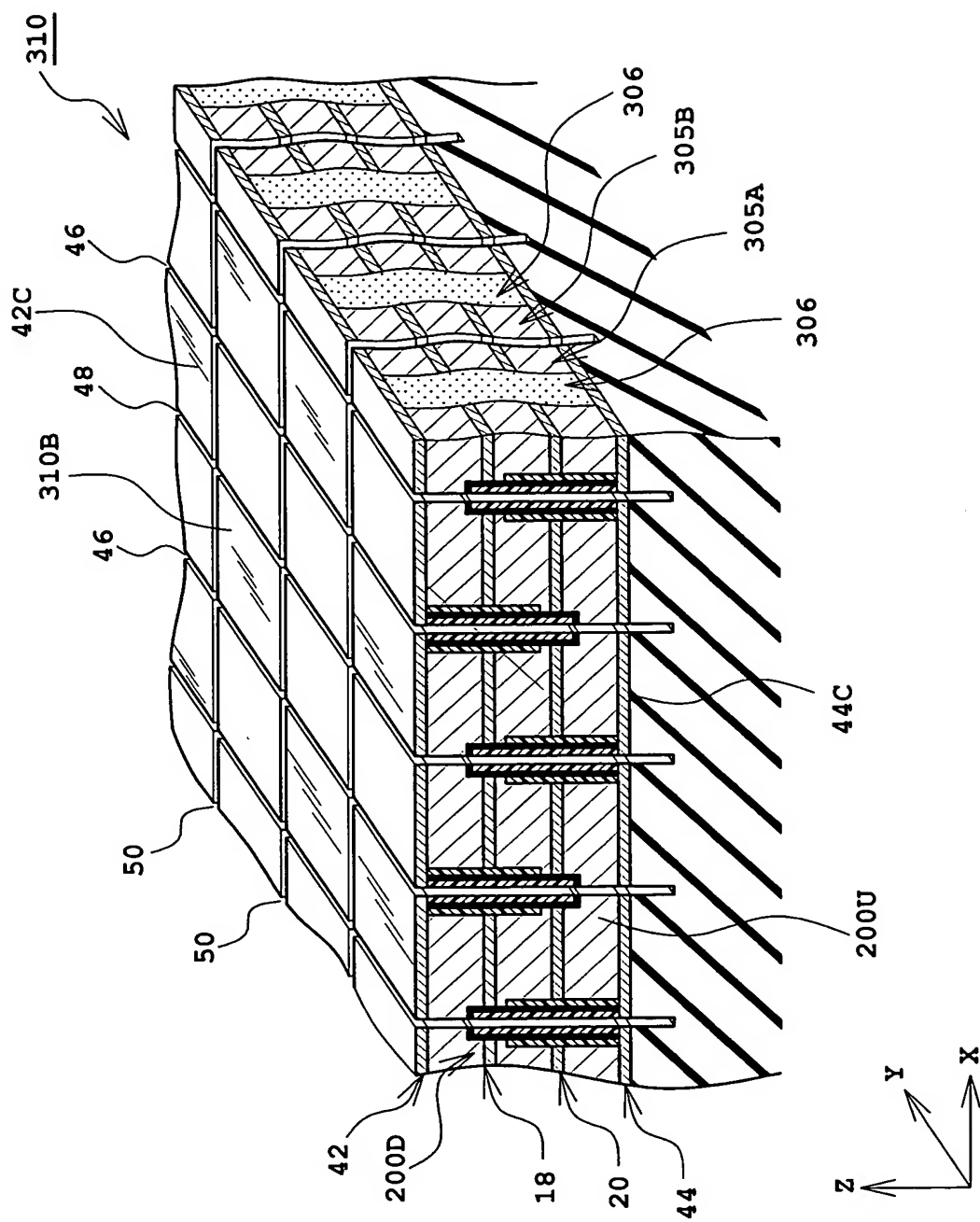


Fig. 20

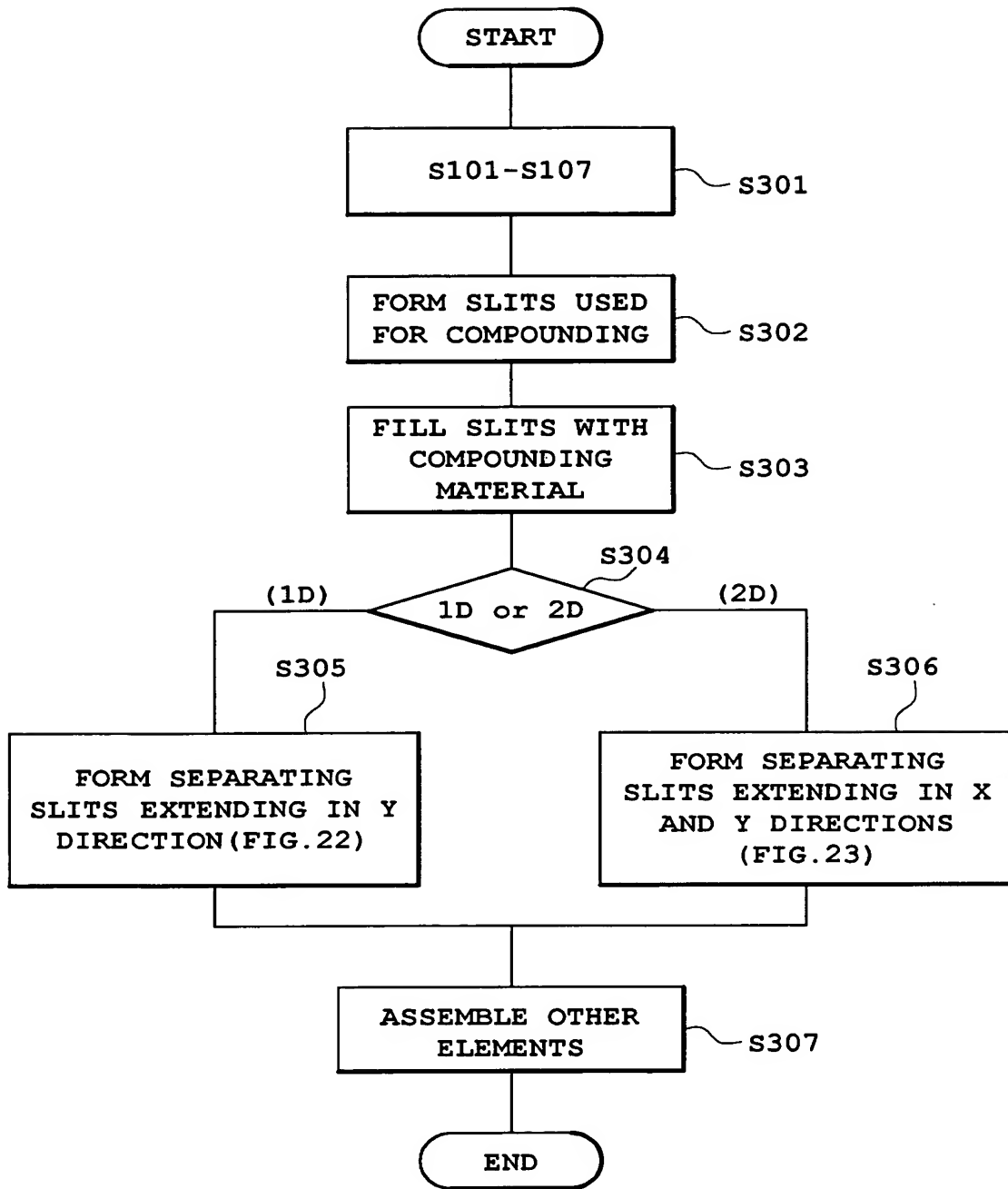


Fig. 21

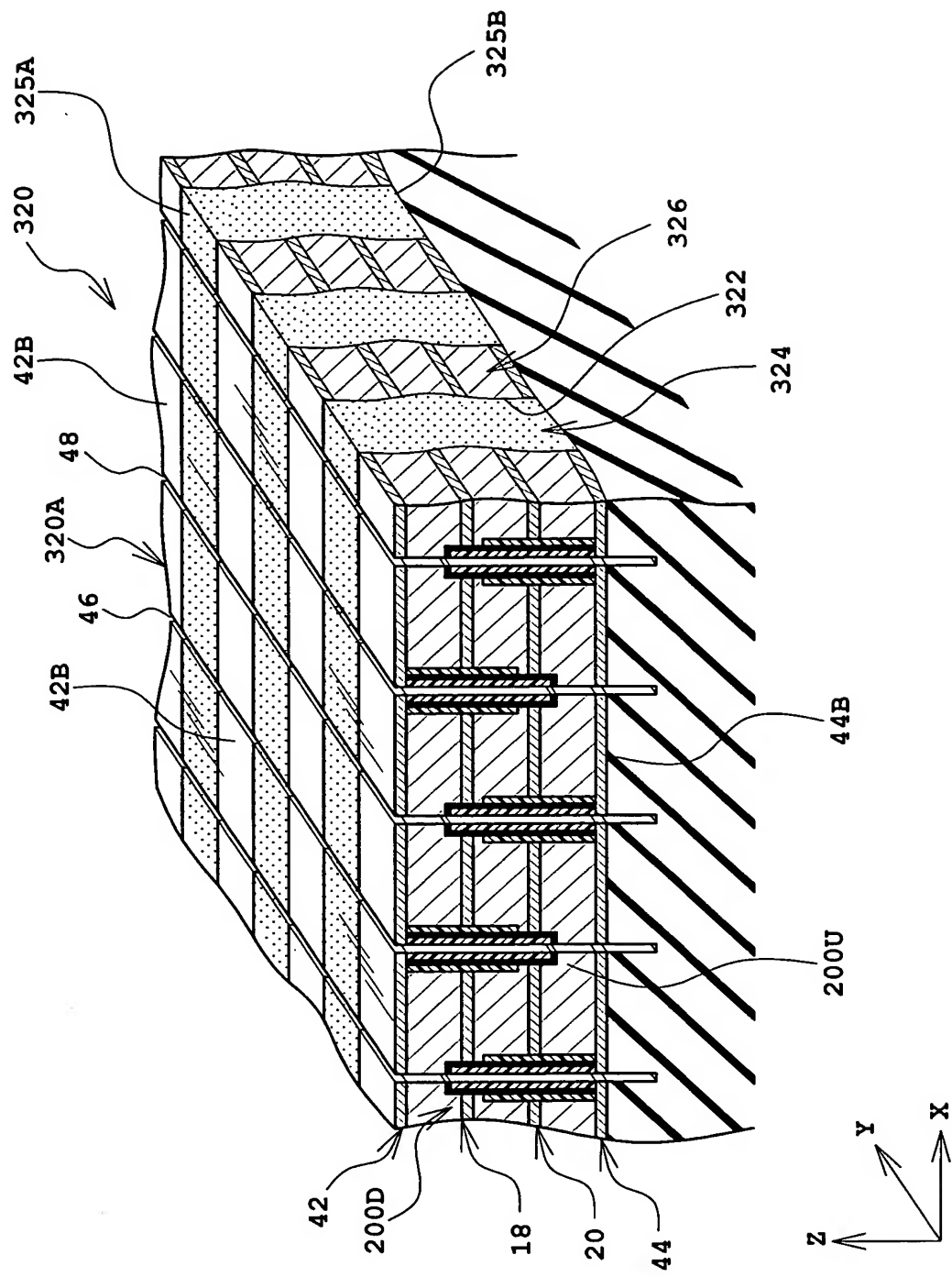


Fig. 22

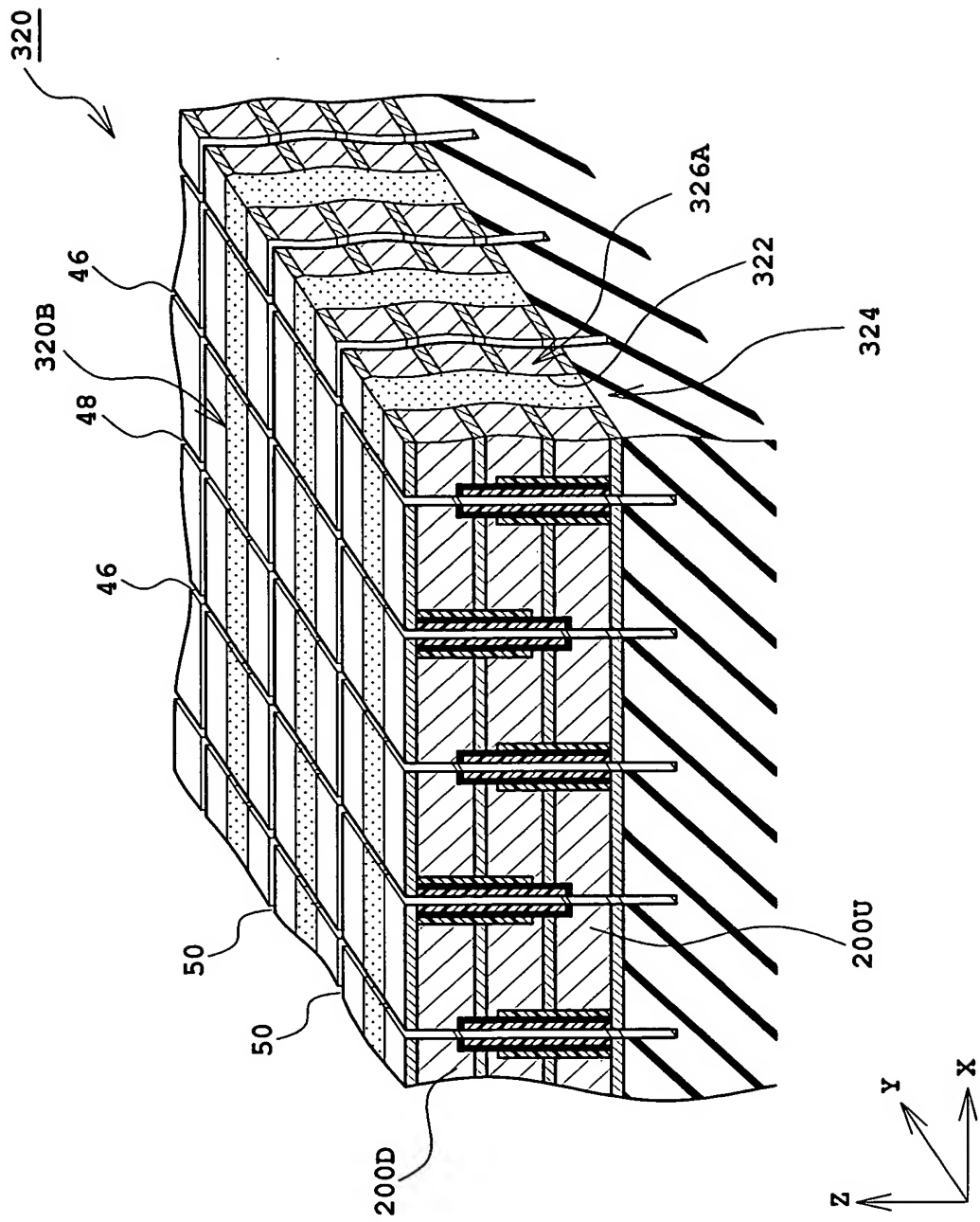


Fig. 23

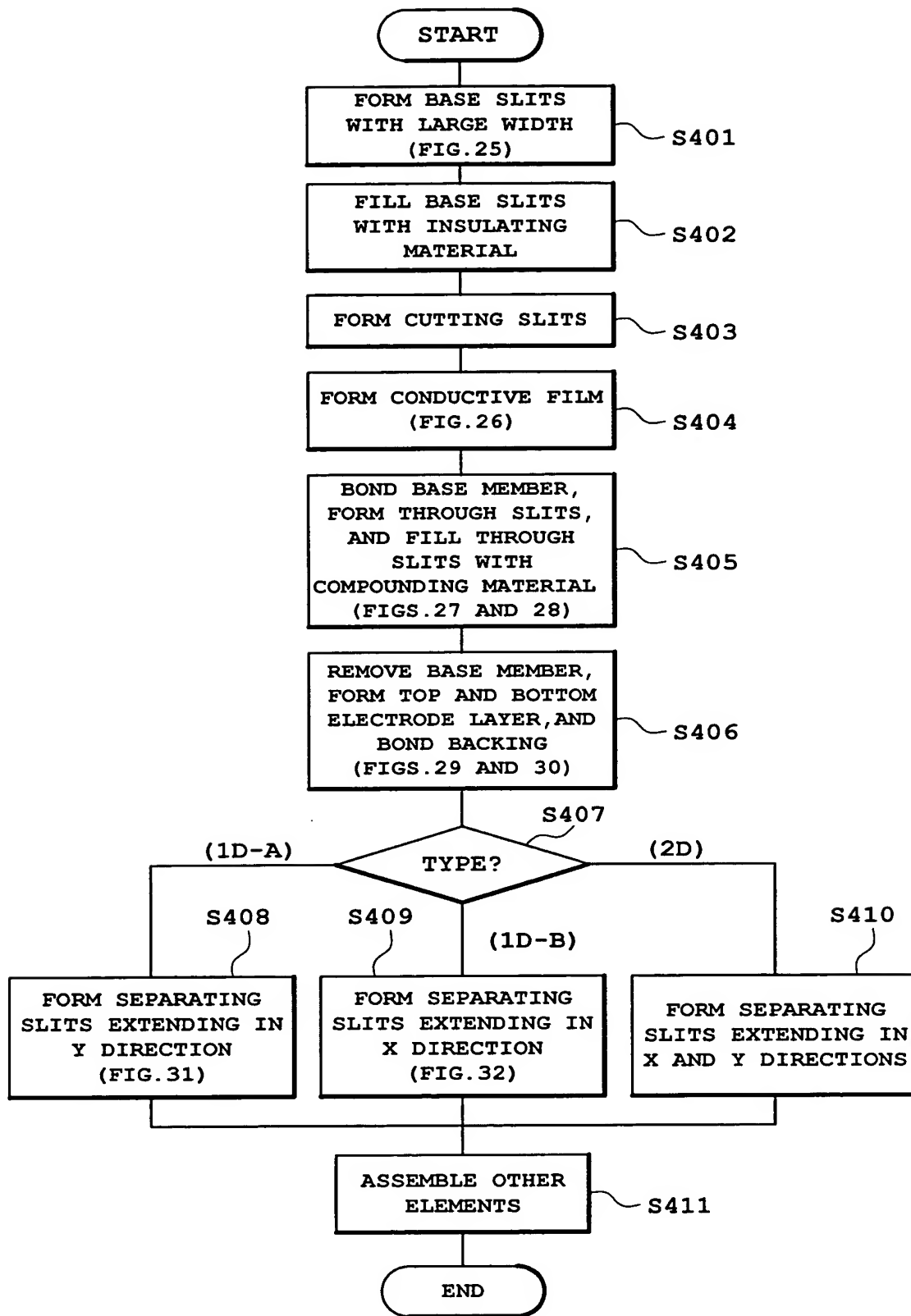


Fig.24

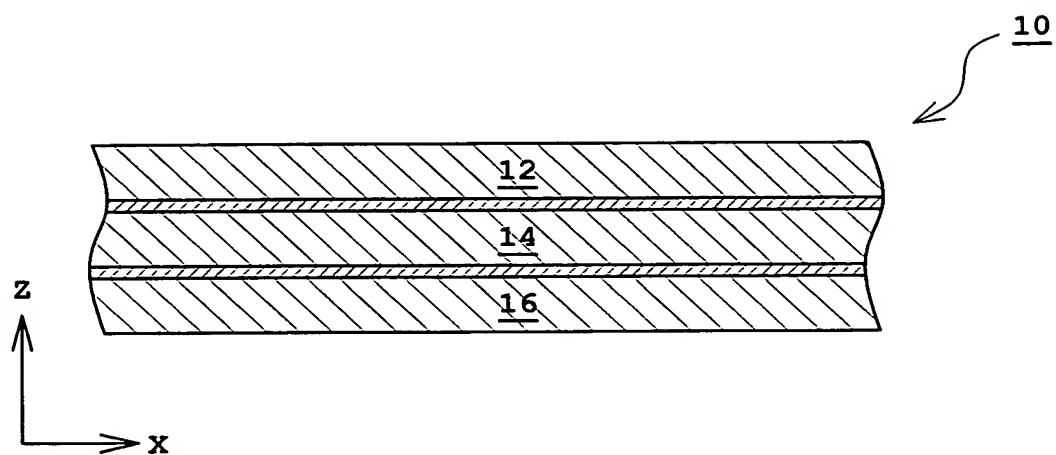


Fig. 25

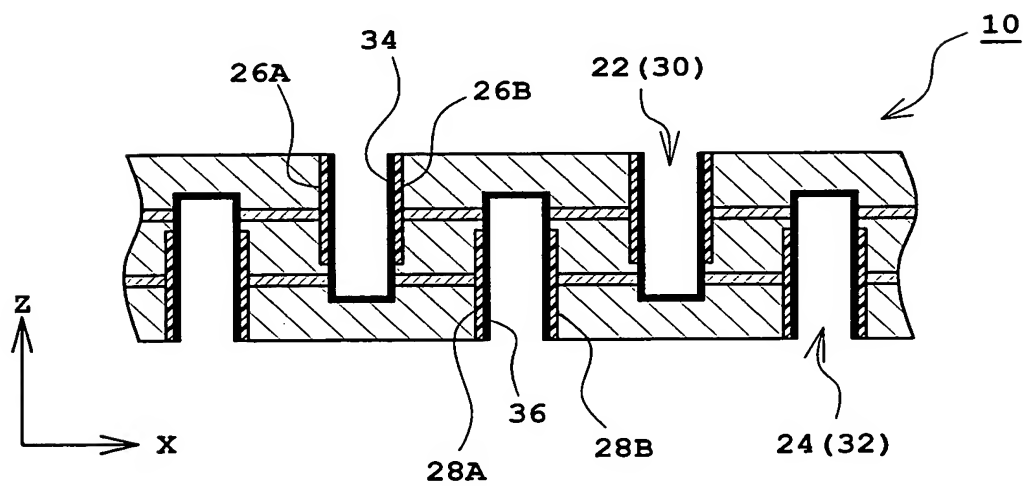


Fig. 26

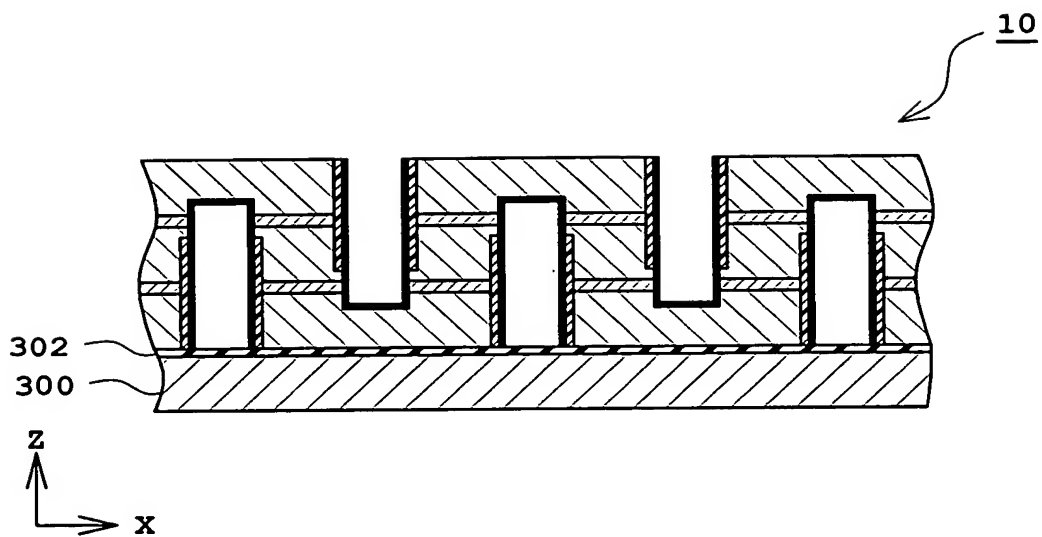


Fig. 27

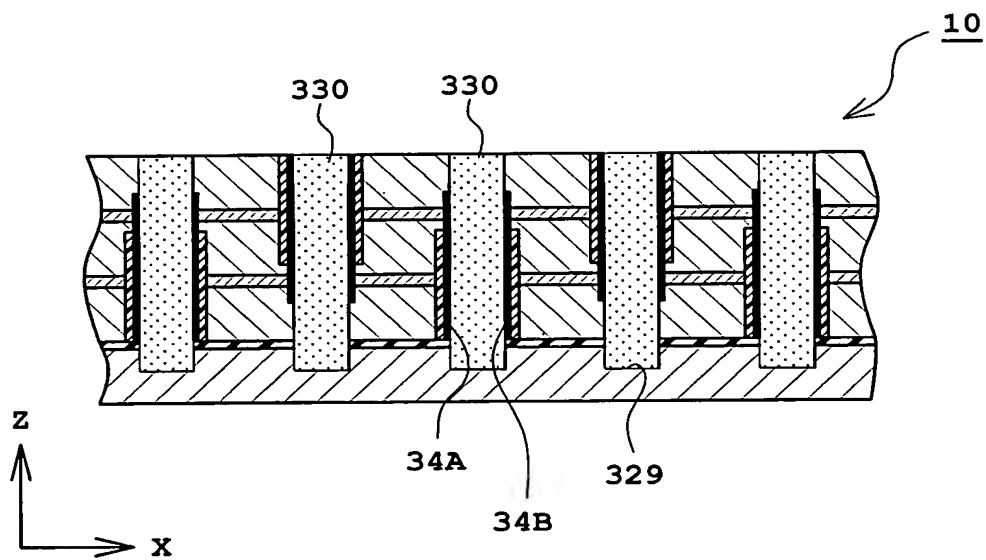


Fig. 28

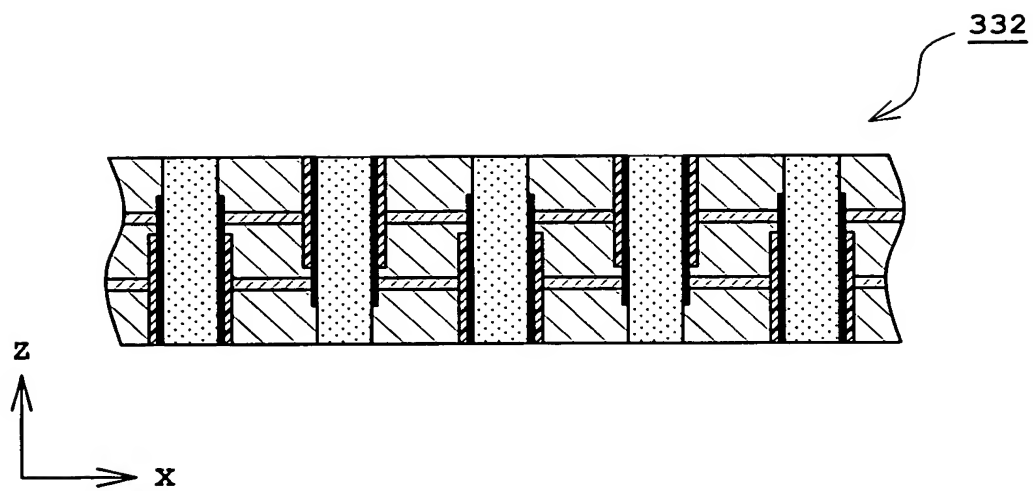


Fig. 29

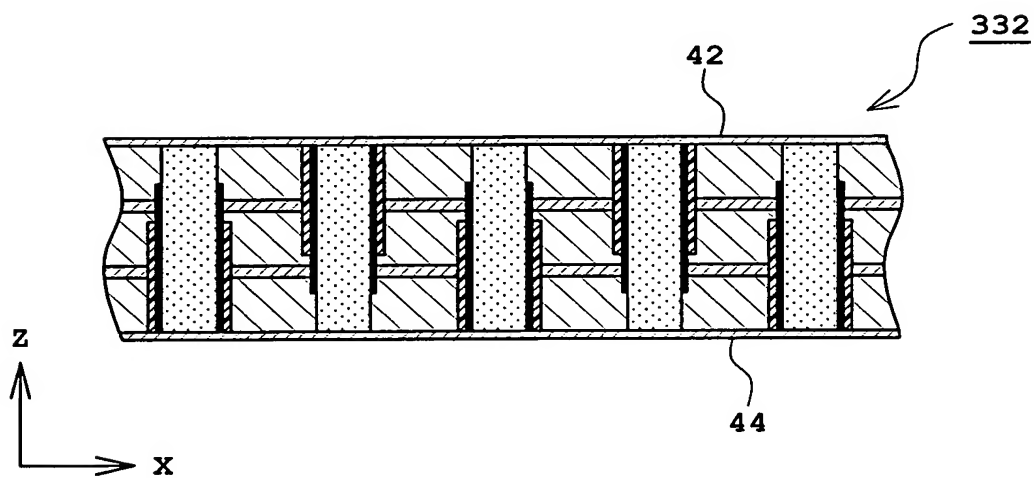


Fig. 30

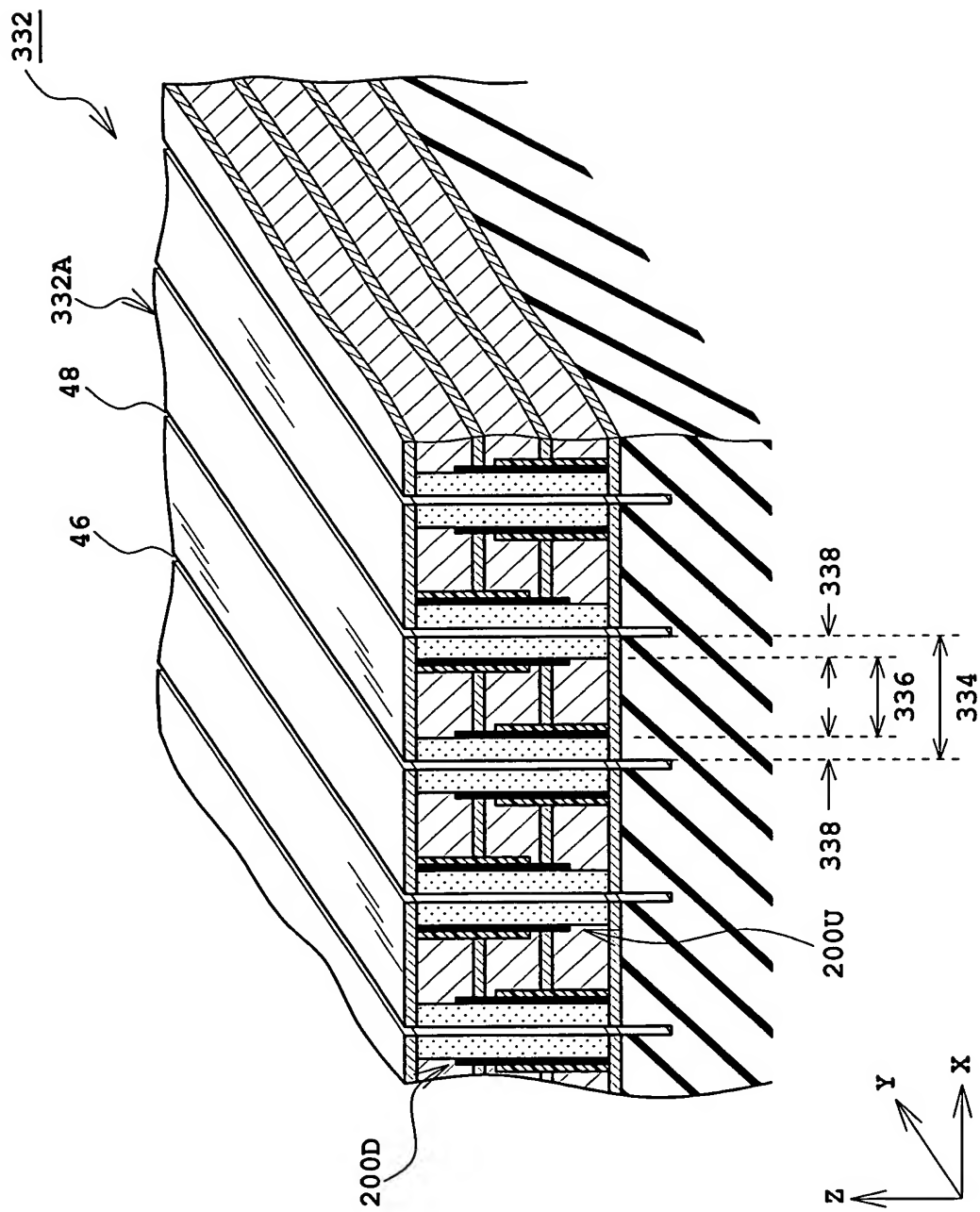


Fig. 31

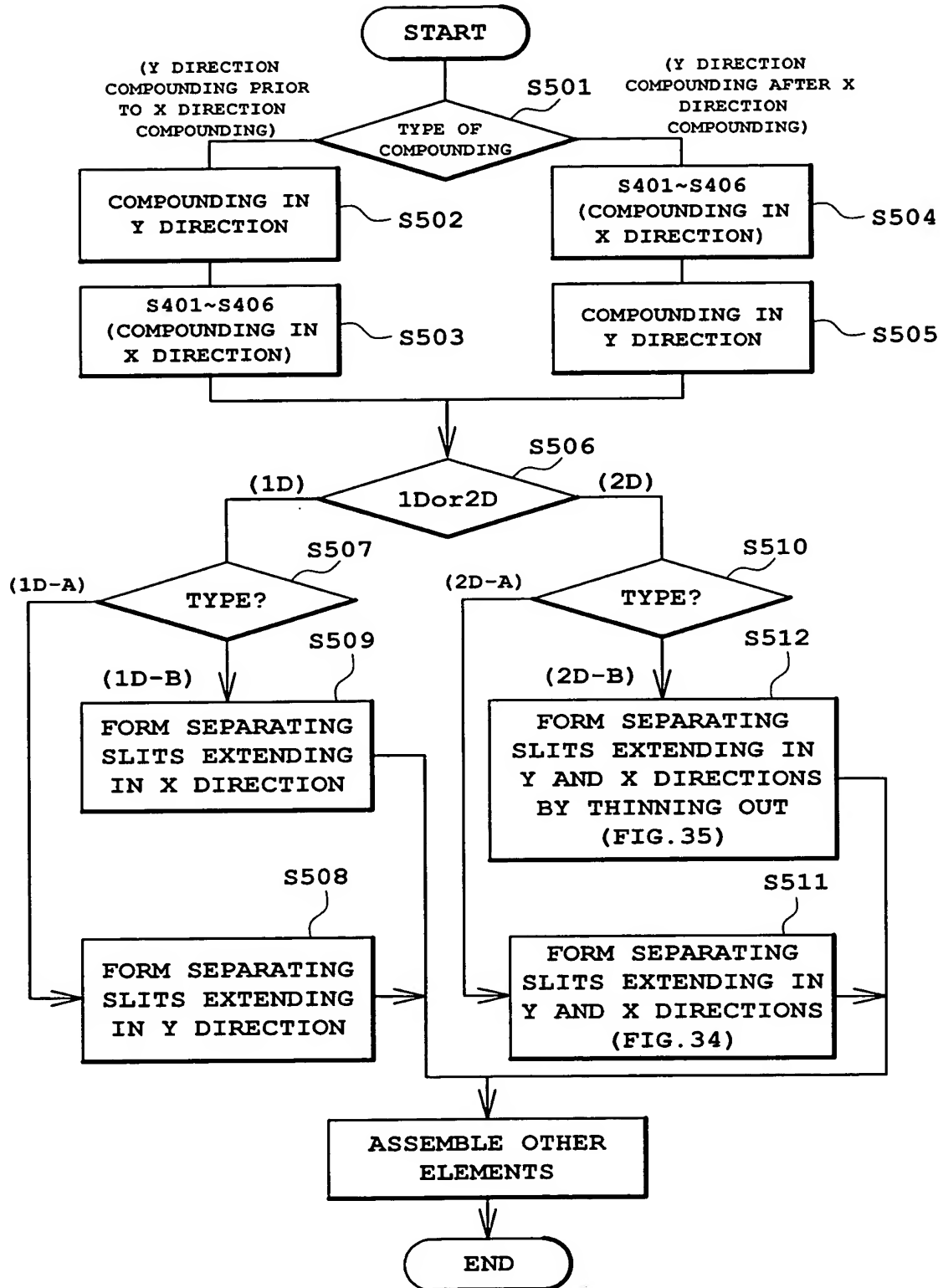


Fig. 33

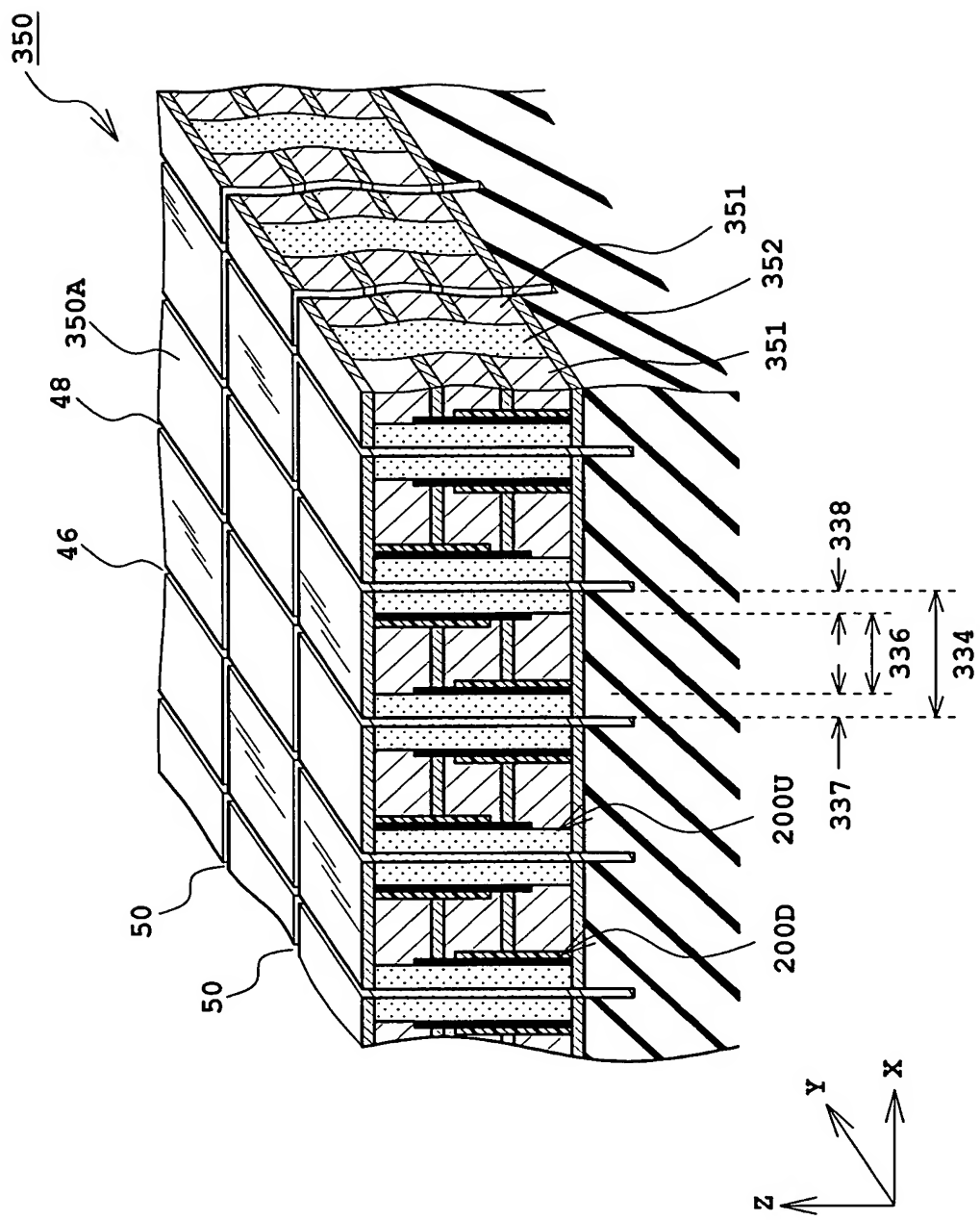


Fig. 34

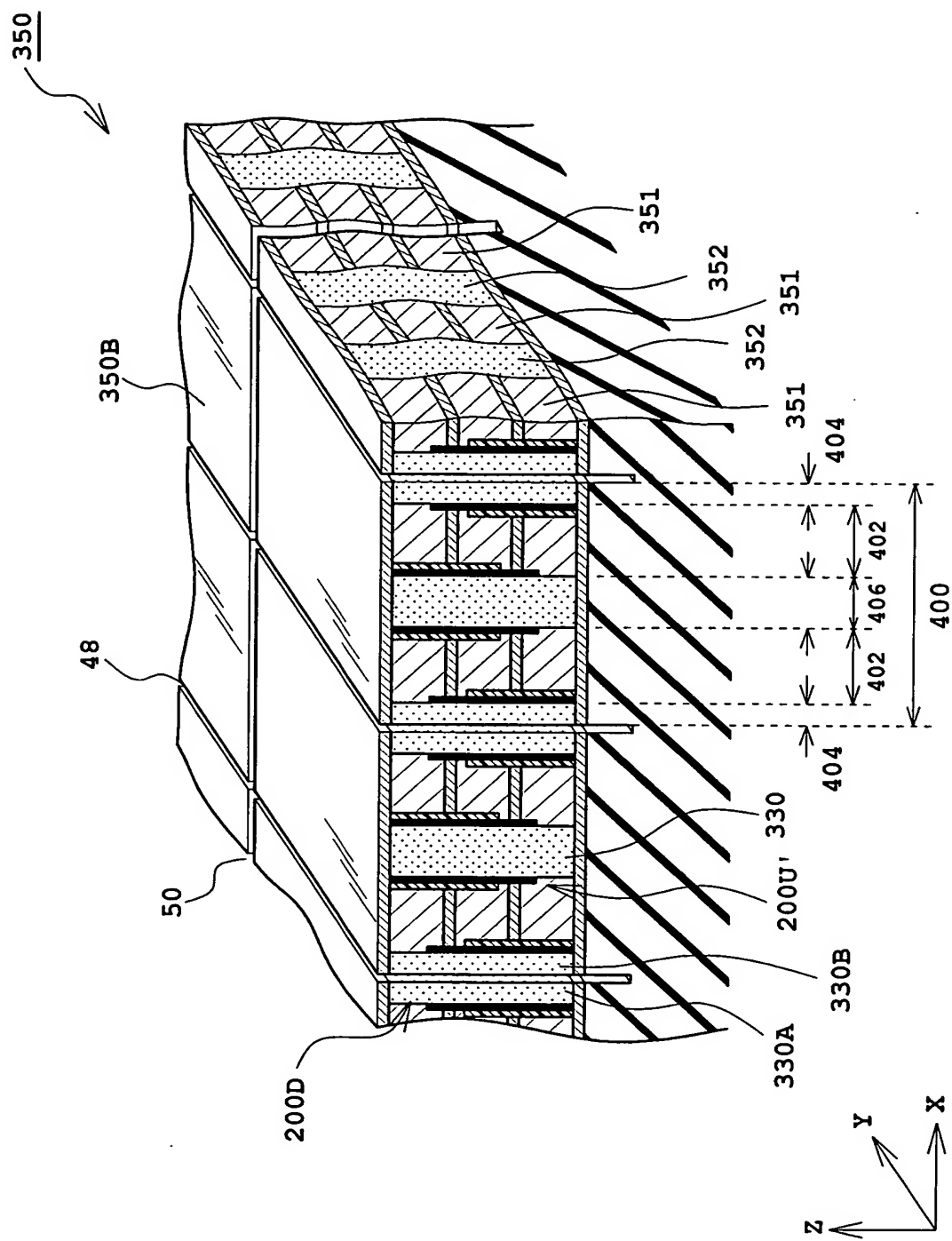


Fig. 35